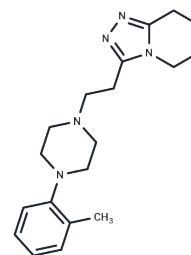


## Dapiprazole

## Chemical Properties

CAS No. :	72822-12-9
Formula:	C <sub>19</sub> H <sub>27</sub> N <sub>5</sub>
Molecular Weight:	325.45
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Dapiprazole, an alpha blocker, is used to reverse mydriasis after eye examination.
Targets(IC50)	Others, Adrenergic Receptor

## Solubility Information

Solubility	DMSO: Soluble, H <sub>2</sub> O: Insoluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0727 mL	15.3633 mL	30.7267 mL
5 mM	0.6145 mL	3.0727 mL	6.1453 mL
10 mM	0.3073 mL	1.5363 mL	3.0727 mL
50 mM	0.0615 mL	0.3073 mL	0.6145 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Ramesh T, Rao PN, Rao RN. Development of LC-MS/MS method for the determination of dapiprazole on dried blood spots and urine: application to pharmacokinetics. *Biomed Chromatogr.* 2014 May;28(5):615-20. PubMed PMID: 24847516.

Ramesh T, Rao PN. Development and validation of a stability-indicating RP-HPLC assay method and stress degradation studies on dapiprazole. *J Chromatogr Sci.* 2013 Oct;51(9):856-60. doi: 10.1093/chromsci/bms184. Epub 2012 Nov 20. PubMed PMID: 23169931.

Canovetti A, Nardi M, Figus M, Fogagnolo P, Benelli U. Aceclidine, brimonidine tartrate, and dapiprazole: comparison of miotic effect and tolerability under different lighting conditions. *J Cataract Refract Surg.* 2009 Jan;35(1):42-6. doi: 10.1016/j.jcrs.2008.09.009. PubMed PMID: 19101423.

Marx-Gross S, Krummenauer F, Dick HB, Pfeiffer N. Brimonidine versus dapiprazole: Influence on pupil size at various illumination levels. *J Cataract Refract Surg.* 2005 Jul;31(7):1372-6. PubMed PMID: 16105609.

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